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TITLE: System, method, and computer program product for patent-centric and group-oriented data processing

DATE-ISSUED: November 23, 1999

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PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

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PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> Re32632	March 1988	Atkinson	340/709
<input type="checkbox"/> 4205780	June 1980	Burns et al.	235/454

<input type="checkbox"/>	<u>4270182</u>	March 1981	Asija	364/900
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<input type="checkbox"/>	<u>4533910</u>	August 1985	Sukonick et al.	340/721
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<input type="checkbox"/>	<u>4622545</u>	November 1986	Atkinson	340/747
<input type="checkbox"/>	<u>4736308</u>	April 1988	Heckel	364/518
<input type="checkbox"/>	<u>4748618</u>	May 1988	Brown et al.	370/94
<input type="checkbox"/>	<u>4772882</u>	September 1988	Mical	340/709
<input type="checkbox"/>	<u>4785408</u>	November 1988	Britton et al.	364/513.5
<input type="checkbox"/>	<u>4788538</u>	November 1988	Klein et al.	340/747
<input type="checkbox"/>	<u>4812834</u>	March 1989	Wells	340/721
<input type="checkbox"/>	<u>4847604</u>	July 1989	Doyle	340/706
<input type="checkbox"/>	<u>4873623</u>	October 1989	Lane et al.	364/188
<input type="checkbox"/>	<u>4884223</u>	November 1989	Ingle et al.	364/550
<input type="checkbox"/>	<u>4899136</u>	February 1990	Beard et al.	340/706
<input type="checkbox"/>	<u>4914732</u>	April 1990	Henderson et al.	340/825.17
<input type="checkbox"/>	<u>4931783</u>	June 1990	Atkinson	340/710
<input type="checkbox"/>	<u>4935865</u>	June 1990	Rowe et al.	364/188
<input type="checkbox"/>	<u>4939507</u>	July 1990	Beard et al.	340/706
<input type="checkbox"/>	<u>4959769</u>	September 1990	Cooper et al.	364/200
<input type="checkbox"/>	<u>4977455</u>	December 1990	Young	358/142
<input type="checkbox"/>	<u>4985863</u>	January 1991	Fujisawa et al.	364/900
<input type="checkbox"/>	<u>4991087</u>	February 1991	Burkowski et al.	364/200
<input type="checkbox"/>	<u>5008853</u>	April 1991	Bly et al.	364/900
<input type="checkbox"/>	<u>5062060</u>	October 1991	Kolnick	364/521
<input type="checkbox"/>	<u>5072412</u>	December 1991	Henderson, Jr. et al.	395/159
<input type="checkbox"/>	<u>5120944</u>	June 1992	Kern et al.	235/379
<input type="checkbox"/>	<u>5142674</u>	August 1992	Barker et al.	395/600
<input type="checkbox"/>	<u>5148154</u>	September 1992	MacKay et al.	340/712
<input type="checkbox"/>	<u>5155806</u>	October 1992	Heober et al.	395/157
<input type="checkbox"/>	<u>5157768</u>	October 1992	Hoeber et al.	395/157
<input type="checkbox"/>	<u>5163104</u>	November 1992	Ghosh et al.	382/56
<input type="checkbox"/>	<u>5222160</u>	June 1993	Sakai et al.	382/57
<input type="checkbox"/>	<u>5228123</u>	July 1993	Heckel	395/155
<input type="checkbox"/>	<u>5237158</u>	August 1993	Kern et al.	235/379
<input type="checkbox"/>	<u>5241671</u>	August 1993	Reed et al.	395/600
<input type="checkbox"/>	<u>5253362</u>	October 1993	Nolan et al.	395/600
<input type="checkbox"/>	<u>5276616</u>	January 1994	Kuga et al.	364/419.08

<input type="checkbox"/>	5283894	February 1994	Deran	395/600
<input type="checkbox"/>	5319745	June 1994	Vinsonneau et al.	395/144
<input type="checkbox"/>	5349170	September 1994	Kern	235/379
<input type="checkbox"/>	5392428	February 1995	Robins	395/600
<input type="checkbox"/>	5404514	April 1995	Kageneck et al.	395/600
<input type="checkbox"/>	5428778	June 1995	Brookes	395/600
<input type="checkbox"/>	5432897	July 1995	Tatsumi et al.	395/140
<input type="checkbox"/>	5440481	August 1995	Kostoff et al.	364/419.08
<input type="checkbox"/>	5442778	August 1995	Pedersen et al.	395/600
<input type="checkbox"/>	5444615	August 1995	Bennett et al.	364/401
<input type="checkbox"/>	5481666	January 1996	Nguyen et al.	395/159
<input type="checkbox"/>	5511186	April 1996	Carhart et al.	395/600
<input type="checkbox"/>	5519857	May 1996	Kato et al.	395/600
<input type="checkbox"/>	5537526	July 1996	Anderson et al.	395/148
<input type="checkbox"/>	5544302	August 1996	Nguyen	395/161
<input type="checkbox"/>	5550976	August 1996	Henderson et al.	395/200.06
<input type="checkbox"/>	5551055	August 1996	Matheny et al.	395/882
<input type="checkbox"/>	5557722	September 1996	DeRose et al.	395/148
<input type="checkbox"/>	5557785	September 1996	Lacquit et al.	395/600
<input type="checkbox"/>	5559942	September 1996	Gough et al.	395/155
<input type="checkbox"/>	5568639	October 1996	Wilcox et al.	395/600
<input type="checkbox"/>	5581686	December 1996	Koppolu et al.	395/340
<input type="checkbox"/>	5583982	December 1996	Matheny et al.	395/326
<input type="checkbox"/>	5584035	December 1996	Duggan et al.	395/800
<input type="checkbox"/>	5592607	January 1997	Weber et al.	395/358
<input type="checkbox"/>	5592608	January 1997	Weber et al.	395/358
<input type="checkbox"/>	5594837	January 1997	Noyes	395/63
<input type="checkbox"/>	5596700	January 1997	Darnell et al.	395/340
<input type="checkbox"/>	5604901	February 1997	Kelley et al.	395/603
<input type="checkbox"/>	5615112	March 1997	Lui Sheng et al.	395/615
<input type="checkbox"/>	5615362	March 1997	Jensen et al.	395/614
<input type="checkbox"/>	5623679	April 1997	Rivette et al.	395/773
<input type="checkbox"/>	5623681	April 1997	Rivette et al.	395/788
<input type="checkbox"/>	5628003	May 1997	Fujisawa et al.	395/615
<input type="checkbox"/>	5630125	May 1997	Zellweger	395/614
<input type="checkbox"/>	5632031	May 1997	Velissaropoulos et al.	395/611
<input type="checkbox"/>	5638519	June 1997	Haluska	395/228
<input type="checkbox"/>	5642502	June 1997	Driscoll	395/605

<input type="checkbox"/> 5696963	December 1997	Ahn	395/605
<input type="checkbox"/> 5721910	February 1998	Unger et al.	395/611

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
0239884	October 1987	EP	
5-135109	June 1993	JP	
6-231141	August 1994	JP	
8-221435	August 1996	JP	

OTHER PUBLICATIONS

Cohen, "Browsers get BookWorm for Mac," MacWeek, vol. 7, No. 39, Oct. 4, 1993, p. 4.

Commands and Settings, OmniPage Professional Windows Version 5, Caere Corporation; Chapter 1, pp. 1-1 to 1-70, 1988-1993.

The Complete Document Profiling and Retrieval System for Windows, World Software Corporation, Worldox, Copyright World Software Corp., 1992.

Conklin, "Hypertext: An Introduction and Survey," Computer, pp. 17-41, Sep. 1981.

Cooper et al., "Oh! Pascal!," pp. 389-399, Jan. 1982.

Cote et al., "Searching for Common Threads," Byte, vol. 17, No. 6, Jun. 1992, pp. 290-305.

"ZyIndex Developer's Toolkit for Windows, Version 5.0, Programmer's Guide," ZyLab, Copyright 1992, pp. 1-35.

Curran, "Growing company changes data entry," ImagingWorld, vol. 4, Issue 3, Mar. 1995.

"Dataware Technologies: Products and Services," Dataware Technologies, Copyright 1996.

"ZyIndex for Windows User's Guide," ZyLab Division, Copyright 1992, pp. 1-262.

Doherty, "New Op-Disk Peripherals Displayed at Conference," Electronic Engineering Times, No. 339, Jul. 22, 1985, p. 15.

Duncan, "ZyImage's Use of Windows Interface Falls Short of Mark," LXI Times, vol. 10, Issue 10 May 24, 1993, pp. 70 and 79.

"Eastern Electricity: BRS/Search Customer Profile," Dataware Technologies, Copyright 1995.

Editing Recognized Documents, OmniPage Professional Windows Version 5, Caere Corporation, Chapter 3, pp. 3-1 to 3-20, 1988-1993.

"EZ-C+DE2 Images: The New Standard in Data Capture," Textware Corporation, Copyright 1994, pp. 1-8.

The Fastest, Most Powerful Full Text Retrieval System, ZyIndex 5.2 for Windows, Zylab, 1994.

Fersko-Weiss, "3-D Reading with the Hypertext Edge," PC Magazine, vol. 10, No. 10, May 28, 1991, pp. 241-282.

Fish et al., Quilt: a collaborative tool for cooperative writing, Conf. on Information Systems '88, pp. 30 to 37, Jan., 1988.

"Forms Processing Products & Services," TextWare Corporation, Copyright 1996.

"FormWare for Windows 95/NT," TextWare Corporation, Copyright 1996.

"Fuzzy Searching," Executive Technologies, Inc., Last Updated: Jan. 12, 1996.

Gerber, "Lotus rolls out gateway for Notes, cc: Mail," InfoWorld, v. 14, n. 46, p. 1(2), Nov. 1992.

Halasz et al., "Issues in the Design of Hypermedia Systems," CHI '90 Tutorial, Jan. 1990.

Harney, "TextWare's FormWare--Complex Data Capture that Puts Simplicity First," Imaging Magazine, Apr. 1996.

Haskin, "Textware 4.0: Text Retrieval for Electronic Documents," Computer Shopper, vol. 13, No. 8, Aug. 1993, pp. 334-335.

Haskin, "ZyImage Finds Images And Text," PC-Computing, vol. 6, No. 5, May 1993, p. 60.

Help Yourself! With PCT Patent Search On CD-ROM, MicroPatent, New Haven, CT, appears to be before Jul. 1, 1993.

"Hip Products," ZyLab Europe BV, Copyright 1996.

Holtz, "Mastering Ventura; Second Edition," pp. 360-375, Jan. 1989.

How to Install and Use the USAPat Demonstration Disc, USPTO Office of Information Products Development, 1994(?).

HyperCard Basics Apple Computer, Inc., 1990.

"IBM Announces Free On-Line Patent Info Service", Communications Media Center at New York Law School Web Page, Mar. 9, 1997.

"IDI brings Basis plus down to workgroups," The Seybold Report on Publishing Systems, v. 22, n. 14, p. 16(2), Apr. 1993.

Ishii, H., et al., "Clearface: Translucent Multiuser Interface for Team Work Station", Proceedings of the Second European Conference on Computer-Supported Cooperative Work, Sep., 1991, pp. 163-174.

"ZyLab: The Full Text Retrieval & Publishing Experts," ZyLab Europe BV, Copyright 1996.

Jonckheere, C., "EPOQUE (EPO QUery Service) the Inhouse Host Computer of the European Patent Office," World Patent Information, vol. 12, No. 3, pp. 155-157, 1990.

Karraker, "Voyager Toolkit stretches Expanded Book concept to let users pen their own," MacWeek, vol. 6, No. 11, Mar. 16, 1992, p. 9.

Knibbe, "ZyImage 2 boosts OCR, batch duties," InfoWorld, vol. 15, Issue 51, Dec. 20, 1993, p. 20.

Knibbe, "ZyImage 3.0 will facilitate distribution on CD-ROMs; Boasts integration with WordScan OCR software," InfoWorld, vol. 16, No. 38, Sep. 19, 1994, p. 22.

Lexis-Nexis Printout of a Business Wire Article Entitled: TMS Announces Contract With Major Insurance Information Provider, Business Wire Inc., Feb. 11, 1991.

Lexis-Nexis Printout of a Business Wire Article Entitled: TMS Announces Easy View Available for CD-ROM Publishers, Business Wire Inc., Mar. 9, 1992.

Lexis-Nexis Printout of a Business Wire Article Entitled: TMS Announces Release of Inner View 2.1 Software, Business Wire Inc., Mar. 18, 1991.

Lougher et al., Supporting long-term collaboration in software maintenance, Conf. on Organizational Computing Systems, pp. 228-238, 1993.

"ZyLab retrieval engine optimized for CD-ROM; ZyLab, Progressive Technologies merge," Seybold Report on Desktop Publishing, vol. 8, No. 10, Jun. 6, 1994, p. 40.

McEvoy, Ed., Object Linking and Embedding: Programmer's Reference, Version 1, Microsoft Press, Redmond, WA, Copyright 1992.

Mallory, "New for Mac: text/graphics retrieval software from TMS," Newsbytes, Jul. 1992.

Marshall, "Text retrieval alternatives: 10 more ways to pinpoint important information," Infoworld, vol. 14, No. 12, Mar. 23, 1992, pp. 88-89.

Marshall, "ZyImage adds scanning access to ZyIndex," InfoWorld, vol. 16, No. 15, Apr. 11, 1994, pp. 73, 76, and 77.

Marshall, "ZyImage is ZyIndex plus a scan interface integrated," InfoWorld, vol. 15, Issue 10, Mar. 8, 1993, p. 100.

Marshall et al., "ZyIndex for Windows, Version 5.0," InfoWorld, v. 15, n. 21, May 1993, pp. 127, 129, 133 and 137.

"MasterView for Microsoft Windows," TMS Inc., Copyright 1993.

Matazzoni, "Expanded Book Toolkit 1.0.1," Macworld, vol. 10, No. 6, Jun., 1993, p. 158.

Mendelson, "HyperWriter for Windows," PC Magazine, vol. 14, No. 3, Feb. 7, 1995, pp. 140, 142, and 143.

Moore, "Dataware lands \$6.6M GPO pact," Federal Computer Week, vol. 9, No. 27, Sep. 11, 1995, pp. 84 and 86.

Moore, "The Forms Processing Paradigm Shift," Imaging Magazine, Mar. 1995.

"NetAnswer Hosting Service," Dataware Technologies, Inc., Copyright 1995.

"NetAnswer: Information Super Server for the World Wide Web," Dataware Technologies, Inc., Copyright 1995.

"NetAnswers: Organizations Worldwide Take Content Onto the Web with NetAnswer," Dataware Technologies, Spring 1996.

OmniPage Professional Tutorials, Windows Version 5, Caere Corp.

Ores, "Hypertext Publishing: Edit Trail," PC Magazine, vol. 14, No. 3, Feb. 7, 1995, pp. 132, 134, 136, and 138.

Patents on CD-ROM, Track Technology, Focus R&D, Watch Competitors, Speed Products to Market, Cut Online/Copy Costs, A World of Opportunities from MicroPatent, MicroPatent USA, New Haven, CT, appears to be before Sep. 1, 1992.

PatentImages, User Profile European Patents, Search & Tech Tips, Conference Calendar, MicroPatent World Newsletter, Spring 1991, New Haven, CT.

A. Pelham, A Wave of the Wand for Litigators. Tools of the Trade Go High-Tech, Focus on Technology, Legal Times, Jan. 24, 1994.

Perenson, "Retrieving Text on the Net," PC Magazine, vol. 14, No. 20, Nov. 21, 1995, p. 61.

Previewing the Letter, WordPerfect Workbook for IBM Personal Computers, WordPerfect Corporation, Version 5.0, Lesson 4, p. 24, and Lesson 13, pp. 108-109, 1988.

Print out of On-Line Help Manual, Innerview for Windows 3.0, Version 2.2,

Pre-Release #6, T. Inc. 1991-1992.

Quattro Pro User's Guide, Borland Int'l, Inc., pp. 20-245, Jan. 1989.

"re:Search V. 2.6," Software Product Specification, Computer Select, Jan. 1993.

Rooney, "Text-retrieval veterans prepare Windows attack," PC Week, v. 9, n. 24, p. 46, Jun. 1992.

Rooney, "ZyLab partners with Calera: firms roll out document-image system," PC Week, vol. 10, No. 3, Jan. 25, 1993, p. 22.

Schroeder, "Low Price Point Is Key for Buyers Of Text Databases," PC Week, vol. 8, No. 20, May 20, 1991, pp. 120 and 122.

Schroeder, "Multimedia offerings target expanded platform support," PC Week, vol. 10, No. 13, Apr. 5, 1993, pp. 59 and 73.

Schwartz, "Dataware Plants CD-ROM Seeds," Computer Systems News, No. 403, Feb. 6, 1989, p. 33.

Search Results from Dialog Search for MicroPatent for News Releases and Corporate Announcements Relating to APS, FullText, PatentImages, Espace, Dialog Files: 148, 479 and 648, 1989-1991.

Simon, "ZyImage: A Winning Combination of OCR And Text Indexing," PC Magazine, vol. 12, No. 6, Mar. 30, 1993, p. 56.

Simpson, Mastering WordPerfect 5.1 & 5.2 for Windows, p. 58.

Somers, "Personal Text-Retrieval Software Works with Calera's WordScan," PC Magazine, vol. 14, No. 2, Jan. 24, 1995, p. 68.

Spencer, "Tijuana data entry shop logs 500K forms/day," ImagingWorld, vol. 4, Issue 4, Apr. 1995.

Spitzer, "Needles in Document Haystacks" DBMS, vol. 9, No. 1, Jan., 1996, pp. 84-87.

Sullivan, "Dataware's CD Author System To Boast Hypertext Capability," PC Week, vol. 8, No. 31, Aug. 5, 1991, pp. 31-32.

"Text Retrieval Products & Services," TextWare Corporation, Copyright 1996.

"TextWare: Instant Information Access," TextWare Corporation, Copyright 1995.

"TextWare Pricing," TextWare Corporation, Effective Mar. 26, 1996.

Thompson et al., Full Write Professional--A User's Guide, pp. 99-122, 1988.

Torgan, "ZyImage: Document Imaging and Retrieval System," PC Magazine, vol. 12, No. 3, Feb. 9, 1993, p. 62.

"Toshiba America Information Systems: CD-ROM Customer Profile," Dataware Technologies, Copyright 1995.

"Total Recall," Dataware Technologies, Copyright 1995.

Tredennick, Jr., J. C., Full-Text Search and Retrieval Winning Big with Computers, Law Practice Management, vol. 19, No. 8, Nov./Dec., 1993.

Tribute, "Searching CeBit for publishing products; Power Mac draws the crowds at Hannover show," Seybold Report on Publishing Systems, vol. 23, No. 15, Apr. 22, 1994, pp. 5-8.

Ueda, H., et al., "An Interactive Natural-Motion-Picture Dedicated Multi-Media Authoring System", Human Factors in Computing Systems--Reaching Through Technology Conference Proceedings, Mar., 1991, pp. 343-350.

Understanding OCR, OmniPage Professional Windows Version 5, Caere Corporation, Chapter 6, pp. 6-1 and 6-8 and Glossary pp. 1-8, 1988-1993.

"Voyager cd-roms," Voyager, Spring, 1996.

"Voyager: cd-rom catalog," Voyager, 1996-1997.

R. W. Wiggins, "Networked Hypermedia: The World-Wide Web and NCSA Mosaic", from The Internet for Everyone--A Guide for Users and Providers, Chapter 13, pp. 245-290, McGraw-Hill, Inc., 1995.

"WorldView V. 1.1 and WorldView Press V. 1.0.2," Software Product Specification, Computer Select, Nov. 1993.

Young, "UK Police Put Criminals On-Line With New National Computer," Imaging Magazine, Aug. 1995.

"ZyImage," ZyLab International, Inc., Copyright 1996.

"ZyImage: Common Questions Asked About ZyImage," ZyLab Europe BV, Copyright, 1996.

"MicroPatent: Providers of Patent and Trademark Information", from <http://www.micropat.com/info/mission.htm>, Printed Dec. 6, 1996.

"Where will we be?", from <http://www.micropat.com/info/shows.htm>, 1996.

"Why should you be interested in Patent Information?", from <http://www.micropat.com/info/interested.htm>, Printed Dec. 6, 1996.

"Patent Searching and Document Delivery Resources", from <http://www.micropat.com/info/websrch.htm>, 1996.

"MicroPatent's CD-ROM Products", from <http://www.micropat.com/info/about.htm>, 1996.

"PatentQuery: Search & Deliver", from <http://www.micropat.com/info/prelegal.htm>, Printed Dec. 6, 1996.

"MicroPatent PatentWeb and Trademark Web Service Agreement", from <http://www.micropat.com/cgi-bin/servagree>, Printed Dec. 6, 1996.

"United States MicroPatent.RTM. Representatives", from
<http://www.micropat.com/info.usreps.htm>, Printed Dec. 6, 1996.

"Canadian MicroPatent.RTM. Representatives", from
<http://www.micropat.com/info/canreps.htm>, Printed Dec. 6, 1996.

"European MicroPatent.RTM. Representatives", from
<http://www.micropat.com/info/epreps.htm>, Printed Dec. 6, 1996.

"Asian MicroPatent.RTM. Representatives", from
<http://www.micropat.com/info.asreps.htm>, Printed Dec. 6, 1996.

"REAL Software Systems, Inc.", from <http://www.elcamino.com/rss/>, Copyright 1995, 1997, (2 Pages).

"Intellectual Property Management Issues", from <http://www.elcamino.com/rss/2.htm>, Copyright 1995, 1997, (2 Pages).

"Solutions For Managing Intellectual Property", from
<http://www.elcamino.com/rss/3.htm>, Copyright 1995, 1997, (2 Pages).

"REAL Software Systems, Inc.: Royalties Payable", from
<http://www.elcamino.com/rss/3a.htm>, Copyright 1995, 1997, (4 Pages).

"REAL Software Systems, Inc.: Alliant Participation Management & Accounting", from
<http://www.elcamino.com/rss/3b.htm>, Copyright 1995, 1997, (4 Pages).

"REAL Software Systems, Inc.: Rights Licensing", from
<http://www.elcamino.com/rss/3c.htm>, Copyright 1995, 1997, (3 Pages).

"REAL Software Systems, Inc.: Home Video & Title Based Distribution", from
<http://www.elcamino.com/rss/3d.htm>, Copyright 1995, 1997, (3 Pages).

"Specialized Services", from <http://www.elcamino.com/rss/4.htm>, Copyright 1995, 1997, (2 Pages).

"What our customers say about us.", from <http://www.elcamino.com/rss/5.htm>, Copyright 1995, 1997, (2 Pages).

Samtani, Rajan, "Following the Money: Managing Intellectual Property in the Digital Age", from <http://www.elcamino.com/rss/7a.htm>, Copyright 1995, 1997, (5 Pages).

"IBM Selects RSS's Royalties Payable Solution: Real Software Systems Provides IBM with WorldWide Software Royalty Payments Solution", from
<http://www.elcamino.com/rss/7b.htm>, Nov. 18, 1996, (2 Pages).

"Universal Selects RSS To Provide Worldwide Television Licensing Solution", from
<http://www.elcamino.com/rss/7c.htm>, Apr. 30, 1997, (2 Pages).

"Agent Searching," Executive Technologies, Inc., Last Updated: Jan. 12, 1996.

Alpert, M., CD-ROM: The Next PC Revolution, Fortune Magazine, Jun. 29, 1992.

Dialog Pocket Guide, by Knight-Ridder Information, Inc., Copyright 1995.

Alexander, M., "Visualizing Cleared-Off Desktops", Computerworld, May 6, 1991, p. 20.

Banet, "Creating a CD-ROM: overview of the product field," The Seybold Report on Desktop Publishing, v. 7, n. 6, p. 3(29), Feb. 1993.

Becker, "Voyager kit: Ticket to books on-line," MacWeek, vol. 7, No. 8, Feb. 22, 1993, p. 57.

Berk et al. eds., Hypertext/Hypermedia Handbook, pp. 209-224, 285-297, 329-355, 529-533, Jan. 1991.

Bermant, "Finding It Fast: New Software Features That Search Your System," Personal Computing, vol. 11, No. 11, Nov. 1987, pp. 125-131.

Bish, "An Essential ingredient: Post recognition processing," Imaging World, vol. 5, Issue 3, Mar. 1996.

Blatt, J., A Primer on User Interface Software Patents, The Computer Lawyer, vol. 9, No. 4, Apr. 1992.

Boedeker et al., "Choosing Imaging Software," Law Office Computing, vol. 5, Issue 3, Jun./Jul., 1995, pp. 50-55.

"Boolean Searching," Executive Technologies, Inc., Last Updated: Jan. 12, 1996.

Bradbury, "Expanded Book Toolkit," MacUser, vol. 9, No. 3, Mar., 1993, p. 85.

Briggs, "CD-ROM publishing boom is Dataware's delight," MIS Week, vol. 10, No. 38, Sep. 25, 1989, pp. 40-41.

Briggs, "Dataware Comes to U.S. With CD-ROM Publishing," MIS Week, vol. 10, No. 5, Jan. 30, 1989, p. 21.

Brockschmidt, Inside OLE 2, Microsoft Press, Redmond, WA, Copyright 1994.

Brockschmidt, "What OLE Is Really About," OLE Development, Microsoft Corporation, Copyright 1997, pp. 1-59.

"BRS/Search: An Industrial Strength Document Warehouse Solution--Profile," Dataware Technologies, Copyright May 1996, pp. 1-12.

"BRS/Search," Dataware Technologies, Inc., date unclear.

Catchings et al., "Price Delineates Text-Retrieval Software," PC Week, vol. 8, No. 20, May 20, 1991, pp. 120-123.

Catchings et al., "Retrieval Technologies Inc.: re:Search 2.0," PC Week, v. 8, n. 20, p. 121(2), May 1991.

Catlin et al., InterNote: Extending A Hypermedia Framework to Support Annotative

Collaboration, Hyatt Text '89 Proceedings, pp. 365 to 378, Nov., 1989.

"CD Author/CD Answer," Dataware Technologies, date unclear.

Kramer, J., "An Evaluation of the Internet as a Searching Tool for Patents and Intellectual Property: Alternative or Complementary?", from <http://www.fplc.edu/ipmall/ipcorner/evals97/ipsi97/internetpatsearch.htm>, Publication date appears to be before Jun. 2, 1997, Downloaded May 8, 1998.

"Chapter 1: Component Object Model Introduction," OLE Development, Microsoft Corporation, Copyright 1997, pp. 1-37.

"ZyImage Web Server," ZyLab Europe BV, Copyright 1996.

Classified Search and Image Retrieval Student Manual, U.S. Patent and Trademark Office, May 7, 1991.

"Advanced Patent Data Mining and Visualization Capabilities for Information Users," Apparent Press Release, London, apparent publication date of Dec. 3, 1996 (printed from Manning & Napier Information Services web page at www.mnis.net).

"Business Objects Announces Data Mining Partnership With DataMind Corporation," Apparent Press Release, Cupertino, CA, apparent publication date of May 20, 1996 (printed from DataMind web page at www.datamindcorp.com).

"Business Objects to Offer Data Mining for the Masses," Apparent Press Release, San Jose, CA, apparent publication date of Nov. 18, 1996 (printed from Business Objects web page at www.businessobjects.com).

"CHI Research Competitor Assessments," printed from the CHI Research web page at www.chiresearch.com, pp. 1-2, 1996.

"CHI Research Corporate Brain Mapping," printed from the CHI Research web page at www.chiresearch.com, pp. 1-2, 1996.

"CHI Research Merger & Acquisition Technology Due Diligence," printed from the CHI Research web page at www.chiresearch.com, pp. 1-2, 1996.

"CHI Research Tracking the World's Technology (About CHI Research, Consulting Services and Information Products, History of CHI Research, Science and Technology Indicators, Patent Citation Analysis, and Key Technology Indicators: Number of Patents, Current Impact Index, Technological Strength, Technology Cycle Time, Science Linkage)," printed from the CHI Research web page at www.chiresearch.com, pp. 1-6, 1996.

Creating Value Through Knowledge Management Conference, Conference handouts, San Francisco, CA, Feb. 20 and 21, 1997.

Edvinsson, Leif et al., Intellectual Capital: Realizing Your Company's True Value By Finding Its Hidden Brainpower, HarperBusiness, New York, NY, 1997.

Kim et al., "Patent Technology Portfolio for SAW Filters," Proceedings 1994 IEEE Ultrasonics Symposium, vol. 1, pp. 139-142, 1994.

Kahaner, Larry, Competitive Intelligence: From Black Ops to Boardrooms--How Businesses Gather, Analyze, and Use Information to Succeed in the Global Marketplace, Simon & Schuster, New York, NY, 1996.

Kumamoto, K., "Commercial Databases: The Key points and Practical Use. 10. Patent and Trademark," Joho Kanri, vol. 36, No. 10, pp. 914-938, Jan. 1994 (article in Japanese and English abstract submitted herewith).

Narin, Francis, Presentation Figures, "In the Realm of Technology, Asia Looms Ever Larger: Patent Citation as Measures of Corporate and National Strength, Presented at: Stanford University, Asia/Pacific Research Center, Stanford, California," Oct. 29, 1992.

Otake, Y., "Information Each Department in Corporate Needs from the Standpoint of R&D Department," Joho Kanri, vol. 34, No. 7, pp. 635-646, Oct. 1991 (article in Japanese and English abstract submitted herewith).

Stewart, Thomas A., Intellectual Capital: The New Wealth of Organizations, Doubleday, 1997.

Stewart, Thomas A., "Trying to Grasp the Intangible," Fortune, vol. 132, No. 7, Oct. 2, 1995, pp. 157-159.

Stewart, Thomas A., "Your Company's Most Valuable Asset: Intellectual Capital," Fortune, vol. 130, No. 7, Oct. 3, 1994, pp. 68-74.

Tech-Line CD Indicators of Technological Excellence Manual Including Introduction to Company Evaluation Using Technology Indicators, Bertelsmann Informations Service, CHI Research Inc., TT-Technologie-Transfer GmbH, 1994.

"Tech-Line CD User Manual Part 1 Abridged Version for the World Wide Web," printed from the CHI Research web page at www.chiresearch.com, pp. 1-3, 1996.

"Turning Information Into Insight," Press Release, The Business Wire, Apr. 25, 1997 (printed from Manning & Napier Information Services web page at www.mnis.net).

Warshofsky, Fred, The Patent Wars: The Battle to Own the World's Technology, John Wiley & Sons, Inc., 1994.

M. Albert, "Easy to Patents", Fortune Magazine, Jun. 1992.

Lucas Jay, "The progress of automation at the U.S. Patent and Trademark Office", World Patent Information, vol.14, No. 3, pp. 167-172, Jan. 1992.

Thielen et al., "Patent Handling at the European Patent Office: Bacon and first page", world Patent Information, vol.13, No.3, pp. 152-154, Jan. 1991.

Alexander, S., "Users find tangible rewards digging into data mines", Infoworld, vol. 19, Issue 27, pp. 61-62, (Jul. 1997).

"Bertelsmann Portrait", from <http://www.bertelsmann.de/bag/englisch/prtrait>, Date Unknown.

"CHI Research, Inc.: Tracking the World's Technology", from <http://www.chiresearch.com>, Date Unknown.

"CHI Research, Inc.: Technology Indicators Consulting Services and Products", from <http://www.chiresearch.com/services.html>, Copyright 1996.

"Derwent Patents Citation Index", from <http://www.derwent.com/products/database/pcidesc.html>, Date Unknown.

"The Digital Patent Office", Smartpatents, Inc., Date Unknown.

"Essentials for Mapping Your Intellectual Property: Annuities Master Data Center", Prentice Hall Legal Practice Management, 1993.

"Manning & Napier Information Services HomePage", from <http://www.mnis.net>, Date Unknown.

"Manning & Napier Information Services: Competitive Intelligence", from <http://www.mnis.net/compete.shtml>, Date Available on Internet Unknown.

"Manning & Napier Information Services: Intellectual Property", from <http://www.mnis.net/intellect.shtml>, Date Available on Internet Unknown.

"Mapit: Prevent Patent Infringement with the Virtual Patent Advisor", from <http://www.mnis.net/mapitdemo>, Date Available on Internet Unknown.

"Manning & Napier Information Services: Crawler Technology (Trygon)", from <http://www.mnis.net/trygon.shtml>, Date Available on Internet Unknown.

"Manning & Napier Information Services: AFCEA Intelligence Professionals Adopt New Paradigm For Information Analysis", from <http://www.mnis.net/press10.shtml>, Jun. 11, 1997.

"Manning & Napier Information Services: Manning & Napier and RTI announce alliance for corporate information market", from <http://www.mnis.net/press9.shtml>, May 15, 1997.

"Manning & Napier Information Services: Competitive Intelligence Tools Migrating from Government Labs to Corporations", from <http://www.mnis.net/press8.shtml>, May 15, 1997.

"Manning & Napier: Manning & Napier Information Services", from <http://www.mnis.net/press7.shtml>, Apr. 25, 1997.

"Manning & Napier Information Services: Patent Licensing Made Easier With MNIS Data Mining Tools", from <http://www.mnis.net/press6.shtml>, Jan. 30, 1997.

"Manning & Napier Information Services: Manning & Napier Offers Broad Coverage of Computer and Software Technology Databases", from <http://www.mnis.net/press5.shtml>, Dec. 3, 1996.

"Manning & Napier Information Services: Innovative Technology Tool Unveiled", from <http://www.mnis.net/press4.shtml>, Dec. 3, 1996.

"Manning & Napier Information Services: Zolowicz To Head Intellectual Property Unit at Manning & Napier Information Services", from <http://www.mnis.net/press3.shtml>, Nov. 18, 1996.

"Manning & Napier Information Services: Breakthrough in Intelligent Information Analysis From Software That Thinks Like Humans", from <http://www.mnis.net/press2.shtml>, Sep. 16, 1996.

"Manning & Napier Information Services: MNIS Announces System for Improving Software Patents--At ABA Conference", from <http://www.mnis.net/press.shtml>, Jun. 28, 1996.

"Master Data Center: PC Master Patent Lite for Windows", Master Data Center, Date Unknown.

Master Data Center: PC Master Trademark Lite for Windows, Master Data Center, Date Unknown.

MDC Patent Rules Update, May 1996.

MDC Trademark Rules Update, Apr. 1996.

Mogee Research & Analysis Associates, Homepage URL:<http://www.mogee.com>, (What We Do) and Hyperlinks (Who We Are(1); Who We Are(2); Competitive Technology Reports; Competitive Technology Report:GPS; Competitive Technology Report:Medical Implants; Data resources; Consulting Services), 1996.

Lucena, John J., "Merlot Design Specification", Version 1.0-D2, Last modified Jun. 24, 1996.

"New Wave` MetricsWare--Metrics Software You Just Gotta Have", IT Metrics Strategies (Reprint), vol. II, No. 10, Cutter Information Corp.RTM., 1996.

"Patent Abstracts of Japan--Now on CDROM", from <http://www.netaxs.com/.about.aengel/PAJ/PAJInfo.html>, Last Updated Dec. 22, 1995.

"Patent-Monitor", from <http://www.fachinformation.bertelsmann.de/verlag/wb/profil.htm>, Date Unknown.

PC Master Lite Booklet, Master Data Center Intellectual Property Software and Services, 1996.

"Performance Management: The Way It Should Be . . . ", Panorama Business Views, Inc., Date Unknown.

"Platinum technology and Sybase Inc. Expand Partnership to Deliver Wider Selection of Data Warehouse Solutions", from <http://www.platinum.com/press/1996/dw.sub---sybas.htm>, Jun. 11, 1996.

Rappaport, I., "Time To Count Your Patents The Way You Would Beans", PCWeek, vol. 14, No. 2, Jan. 13, 1997.

SmartPatent Quarterly Newsletter, vol. 2, No. 3, Winter 1996-1997.

SmartPatent Quarterly Newsletter, vol. 2, No. 4, Spring/Summer 1997. Stewart, T.A., "Getting Real About Brainpower", Fortune, Nov. 27, 1995, (pp. 201-203).

Stewart, T.A., "Getting Real About Brainpower", Fortune, Nov. 27, 1995, (pp. 201-203).

Stewart, T.A., "Mapping Corporate Brainpower", Fortune, Oct. 30, 1995, (pp. 209-211).

Vantive Corporation Home Page (Delivering True Customer Asset Management) and Various Hyperlinks (Vantive Products and Services; Solution Partners; Vantive HelpDesk; Vantive Sales; Free White Paper), Vantive, 1996.

"Welcome to ISTA", from <http://www.netaxs.com/.about.aengel/ista.htm>, Date Unknown.

"Welcome to the MicroPatent PatentWeb", from <http://www.micropat.com/patentwebindex.htm>, 1996.

"Welcome to MicroPatent's PatentWeb.TM. . . . for Patent Information", from <http://www.micropat.com/info/welcome.htm>, Printed Dec. 6, 1996.

"The History of MicroPatent", from <http://www.micropat.com/info/history.htm>, Printed Dec. 6, 1996.

"A Few Facts About MicroPatent", from <http://www.micropat.com/info/facts.htm>, Printed Dec. 6, 1996.

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ABSTRACT:

A system, method, and computer program product for processing data are described herein. The system maintains first databases of patents, and second databases of non-patent information of interest to a corporate entity. The system also maintains one or more groups. Each of the groups comprises any number of the patents from the first databases. The system, upon receiving appropriate operator commands, automatically processes the patents in one of the groups in conjunction with non-patent information from the second databases. Accordingly, the system performs patent-centric and group-oriented processing of data. A group can also include any number of non-patent documents. The groups may be product based, person based, corporate entity based, or user-defined. Other types of groups are also covered, such as temporary groups. The processing automatically performed by the system relates to (but is not limited to) patent mapping, document mapping, patent citation (both forward and backward), patent aging, patent bracketing/clustering (both forward and backward), inventor patent count, inventor employment information, and finance. Other functions are also covered.

134 Claims, 175 Drawing figures